Con fabric.

12. The wash resistant durable fabrics defined in Claim 11 further including 5 to 30% thermoset fibers in said warp yarns for woven fabrics and in wale yarns for knit fabrics.

13. The wash resistant durable fabrics defined in Claim 11 wherein said thermoplastic fibers are only in said warp yarns for woven fabrics and only in said wale yarns for knit fabrics.

in which said thermoplastic fibers are nylon.

15. The wash resistant durable fabrics defined in Claim 11 in which said thermoplastic fibers are polyester.

The wash resistant durable fabrics defined in Claim in which said thermoset fibers are poly (p-phenylene terephthalamide).

17. A method for making wash resistant fabrics including both woven fabrics and knit fabrics comprising steps of: providing fabrics containing 50 to 95% cotton fibers and 5-30% non-flame-retardant thermoplastic fibers in which warp yarns for woven fabrics and wale yarns for knit fabrics are comprised of 50 to 95% cotton and 5 to 30% non-flame-retardant thermoplastic fibers; impregnating the cotton and thermoplastic fibers with an aqueous solution containing a prepolymer condensate of urea and a tetrakis (hydroxymethyl) phosphonium salt; applying a salt/urea prepolymer condensate to the fabrics in a concentration sufficient to apply between 3.0 and 4% phosphorus at a 60 to 80% wet pickup, padded to between 60 and 80% wet pickup and dried to

between 8 and 12% moisture; reacting the condensate on the fabrics by passing the fabrics through a chamber flooded with ammonia gas flowing at 2.5 to 3.4 cu/m/min (90 to 120 cu ft/min) to form an ammoniated flame retardant; oxidizing the fabrics after said reacting step to form a flame retardant polymer within the cotton fibers; adjusting flame retardant concentration, wet pickup and moisture level of the fabrics to be within preselected ranges such that after five washes and twenty-four hours in boiling water, the fabrics retain at least 2 and no more than 3% phosphorus and burns less than 15mm (61) at cut edges.

- 18. The method defined in Claim 17 whereinn the gabrics further include 5 to 30% thermoset fibers in said warp yarns for woven fabrics and and in said wale yarns for knit fabrics.
- 19. The method defined in Claim 17 in which the tetrakis(hydroxymethyl) phosphonium salt is used as a sulfate salt.
- 20. The method defined in Claim 17 in which the tetrakis-(hydroxymethyl) phosphonium salt is used as a chloride salt.
- 21. The method defined in Claim 17 in which the tetrakis-(hydroxymethyl) phosphonium salt is used as a phosphate salt.
- 22. The method defined in Claim 17 in which the tetrakis-(hydroxymethyl) phosphonium salt is used as an oxalate salt.--

## REMARKS

The Office Action dated 12/28/94 has been carefully reviewed.

Claims 1-10 stand rejected under 35 U.S.C. §112 for the reasons stated in the Office Action. No other objections or